

SWIM Connect 2014 Get Plugged In...

Welcome: SWIM Showcase Spotlights

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Federal Aviation
Administration

SWIM
connect2014
GET PLUGGED IN...



Operational

- High-altitude precision routes (PBN)
- Reroute based on weather or congestion

- Precision departure paths (PBN)
- Reduced departure spacing

- Surface data sharing
- Integrated flight planning

- Time-based sequencing of aircraft

- Optimized profile descents (PBN)
- Precision arrival paths (PBN)

Weather

Traffic Flow

Flight

Airport Specific Data

Airspace Specific Data

Implementation

TFDM

PBN

TBFM

ASIAS

AIM

NWP

Transformational

ADS-B

CATM-T

SWIM

CSS-Wx

NVS

DataComm

Foundational

Terminal Automation
Modernization and Replacement

En Route Automation
Modernization

Terminal Automation
Modernization and Replacement

WHAT IS SWIM?

System Wide Information Management (SWIM) is the infrastructure that allows members of the Aviation Community to access the information needed to facilitate an innovative and efficiently run National Airspace System (NAS).

What is SWIM doing for the Aviation community?

SWIM makes it possible to have access to real-time, relevant information so users can respond faster, more accurately, creating collaboration opportunities with industry.



Monday: SWIM DATA

FAA View: What's in it for Me?
(9:30am)

Industry View: What's in it for Me? (10:30am)

**SWIM Success Stories:
Surface**
(11:30am)

**SWIM Success: New On-
Ramps**
(1:30pm)

**SWIM Success: Digital
NOTAMS**
(2:30pm)

**SWIM Success: Weather
Access**
(3:30pm)

Tuesday: SWIM SUCCESS

**Welcome: SWIM Showcase
Spotlights**

(10am)

**Opening Remarks:
Debunking SWIM**

(10:30am)

FAA View: What's in it for Me?

(1:00pm)

Industry View: What's in it for Me?

(2:00pm)

Wednesday: SWIM FUTURE

World Wide SWIM: Mini Global
(10:00am)

**World Wide SWIM: Mini Global a
Technical Perspective**

(11:00am)

**Future SWIM: NAS Common
Reference**

(12:00am)

**Future SWIM: Aircraft Access to
SWIM**

(12:30 pm)

GETTING STARTED

Station 1: SWIM Overview

- What is SWIM
- NAS Service Registry Repository (NSRR)
- Accessing Data through SWIM

INTEGRATED FLIGHT PLANNING

Station 2: NAS Common Reference (NCR)

Station 3: Traffic Flow Management System (TFMS)

Station 4: Aeronautical Information Management

- Aeronautical Information Management Modernization (AIMM)
- Federal Notice to Airmen (NOTAM) System (FNS)

Station 5: Weather Data

- Common Support Services – Weather (CSS-Wx)
- Integrated Terminal Weather Service (ITWS)

*Join us on a Flight Journey
from Gate to Gate:*

Learn How SWIM Transforms All Phases of Flight

SURFACE

Station 6: Terminal Flight Data Manager (TFDM)

Station 7: SWIM Terminal Data Distribution System (STDDS)

EN ROUTE & ARRIVAL MANAGEMENT

Station 8: SWIM Flight Data Publication Service (SFDPS)

Station 9: Time Based Flow Management (TBFM)

NextGen: Tomorrow at a Glance

Data Communications

- 2016: Initiate departure clearance
- 2019: Initiate en route capability

System Wide Information Management

- 2015: Provide flight data publication service via SWIM
- 2015: Provide flight data publication via SWIM

Continuous Lower Energy, Emissions & Noise

- Through 2015: Accelerate development of commercial aircraft and engine technologies and alternative fuels

Oceanic In-Trail Climb & Descent

- 2015: ADS-B ITP operationally available
- By 2018: Implement Oceanic Conflict Advisory System

Special Use Airspace

- Through 2015: Collaborate with industry and DoD on evolving capabilities
- 2015: Integrate SUA status information into ATC decision-support tools

Aviation Safety Information Analysis & Sharing

- 2015 Establish safety metrics and monitor strategies supported by ASIAS data and analyses.
- 2016 Deploy Trend/Anomaly Detection Capabilities to find high-risk safety events in commercial air carrier operations.
- 2020 Deploy Trend/Anomaly Detection Capabilities to find high-risk safety events in general aviation and rotorcraft operations.

Closely Spaced Parallel Operations

- 2015: Reduce VMC wake turbulence separation standards on parallel runways



“The Agenda for the SWIM Connect Spotlight Series is a Representation of SWIM’s daily Collaboration Efforts...”

-Jim Robb, SWIM Program Manager

FAA Collaboration

International Users, ANSPs, etc.

Industry Collaboration

Airlines, DoD, DHS, etc.